



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION EXAMINING OPERATIONS

In re the Application of : Group Art Unit: 3721
Georges A. Guiochon

Serial No. 10/068,174 : Examiner:

Filed: February 6, 2002 : Date: March 12, 2002

For a Patent for :
METHOD AND APPARATUS TO PACK :
HIGH EFFICIENCY COLUMNS FOR :
CHROMATOGRAPHY :

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INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 CFR §1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Applicant submits herewith copies of patents and publications of which he is aware and which he desires to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being submitted before the mailing date of a first Office Action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

A list of the patents and publications enclosed herewith is set forth on the attached 3 pages of Information Disclosure Statement by Applicant.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,

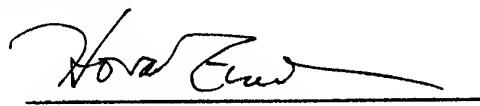


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Attorney for Applicant
Tel: (503) 227-5631

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on March 12, 2002.

Dated: 3/12/02



Howard M. Eisenberg



INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/068,174
				Filing Date	February 6, 2002
				First Named Inventor	Georges A. Guiochon
				Group Art Unit	3721
				Examiner Name	
Sheet	1	of	3	Attorney's Docket No.	HME/7477.015

U.S. Patent Documents						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, columns, lines where passages or relevant figures appear
		Number	Kind Code			
	AA	6,171,486		Green et al	01-09-01	
	AB	6,001,253		Conroy et al	12-14-99	
	AC	5,601,708		Leavesley	02-11-97	
	AD	4,250,035		McDonald	02-10-81	
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Examiner Signature		Date Considered	
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Sheet	2	of	3		Inventor:	Guiochon
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FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. ¹	FOREIGN PATENT DOCUMENTS			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, columns, lines where passages or relevant figures appear	T ²
		Office code	Number	Kind				
	B A						MRP	
	B B						TECHNOLOGY CENTER	
	B C							
	B D							
	B E							
	B F							
	B G							
	B H							
	B I							
	B J							

Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language translation is attached.

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Sheet 3

Ref. 3

Inventor:

Guiochon

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			T ²
Examiner Initials	Cite ₁ No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published	MR 25 2002 SEARCHED INDEXED FILED
	C A	GUIOCHON, G., et al., "Consolidation of Particle Beds and Packing of Chromatographic Columns", J. Chromatography, 762:83-88 (1997)	
	C B	GUIOCHON G., and SARKER, M., "Consolidation of the Packing Material in Chromatographic Columns under Dynamic Axial Compression", J. Chromatography, 704:247-268 (1995)	
	C C	POOLE, CF, and POOLE, SK, "Performance Characteristics of Liquid Chromatography Columns Using Reduced Parameters", Section 1.7.10, in Chromatography Today, pages 76-78, Elsevier Science Publishers B.V., The Netherlands (1991)	
	C D	SARKER, M, and GUIOCHON, G., "Study of the Packing Behavior of Axial Compression Columns for Preparative Chromatography", J. Chromatography, 702:27-44 (1995)	
	C E	TALLAREK, U., et al, "Study of Dispersion in Packed Chromatographic Columns by Pulsed Field Gradient Nuclear Magnetic Resonance", J. American Chemical Society, 120(7):1494-1505 (1998)	
	C F		
	C G		
	C H		
	C I		
	C J		

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 TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/068,174
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Total Number of Pages in this Submission	6*	Attorney Docket Number	HME/7477.015

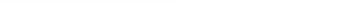
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavit(s)/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Part(s) Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawings <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition To Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below) * - plus submitted references 4 US patent references 5 Non-patent documents
Remarks:		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name	Howard M. Eisenberg 1600 ODS Tower, 601 SW Second Ave Portland, OR 97204-3157
Signature	
Date	March 12, 2002

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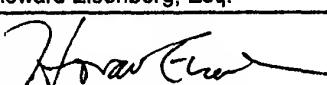
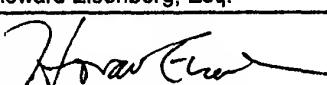
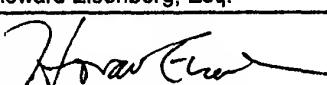
Type or print name	Howard Eisenberg		
Signature		Date	March 12, 2002

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FEET TRANSMITTAL

for FY 2002

Patent fees are subject to annual revision.

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<p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge the indicated fees and credit any over payments to:</p> <p>Deposit Account Number 50-1773 Deposit Account Name Howard Eisenberg</p> <p><input checked="" type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 & 1.17</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p>				<p>3. ADDITIONAL FEES</p> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> </tr> </thead> <tbody> <tr> <td>Fee Code</td> <td>Fee Code</td> <td>Fee Code</td> <td>Fee Description</td> <td>Fee Paid</td> </tr> <tr> <td>105</td> <td>130</td> <td>205</td> <td>65 Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>127</td> <td>50</td> <td>227</td> <td>25 Surcharge-late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>139</td> <td>130</td> <td>139</td> <td>130 Non-English specification</td> <td></td> </tr> <tr> <td>147</td> <td>2,520</td> <td>147</td> <td>2,520 For filing a request for ex-parts reexamination</td> <td></td> </tr> <tr> <td>112</td> <td>920*</td> <td>112</td> <td>920* Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>113</td> <td>1840*</td> <td>113</td> <td>1840* Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>115</td> <td>110</td> <td>215</td> <td>55 Extension for reply within first month</td> <td></td> </tr> <tr> <td>116</td> <td>400</td> <td>216</td> <td>200 Extension for reply within second month</td> <td></td> </tr> <tr> <td>117</td> <td>920</td> <td>217</td> <td>460 Extension for reply within third month</td> <td></td> </tr> <tr> <td>118</td> <td>1,440</td> <td>218</td> <td>720 Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>128</td> <td>1,960</td> <td>228</td> <td>980 Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>119</td> <td>320</td> <td>219</td> <td>160 Notice of Appeal</td> <td></td> </tr> <tr> <td>120</td> <td>320</td> <td>220</td> <td>160 Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>121</td> <td>280</td> <td>221</td> <td>140 Request for oral hearing</td> <td></td> </tr> <tr> <td>138</td> <td>1,510</td> <td>138</td> <td>1,510 Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>140</td> <td>110</td> <td>240</td> <td>55 Petition to revive - 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